



ELSEVIER

Available online at www.sciencedirect.com

SCIENCE @ DIRECT®

Computer Networks 45 (2004) 859–861

COMPUTER
NETWORKSwww.elsevier.com/locate/comnet

Author Index Volume 45

Abhyankar, S., see de Moraes Cordeiro, C.

Agarwal, A., see Wang, L.

Agrawal, D.P., see de Moraes Cordeiro, C.

Akan, Ö.B., see Vuran, M.C.

Akyildiz, I.F., see Vuran, M.C.

Akyildiz, I.F., A eulogy for Olga Casals

Akyildiz, I.F. and H. Rudin, Editorial

Altman, E., R. El Azouzi and T. Jiménez, Slotted Aloha as a game with partial information

Amyot, D. and L. Logrippo, Guest editorial: Directions in feature interaction research

Anastasi, G., M. Conti, E. Gregori and A. Passarella, A performance study of power-saving policies for Wi-Fi hotspots

Androulatsos-Theotokis, S., see Vlachos, V.

Atwood, J.W., see Wang, L.

Balaouras, P. and I. Stavrakakis, Controlling smoothness and loss rate for elastic continuous media flows

Banerjee, S., C. Kommareddy and B. Bhattacharjee, Efficient peer location on the Internet

Bao, F., see Ren, K.

Barceló, J.M., J.I. Nieto-Hipólito and J. García-Vidal, Study of Internet autonomous system interconnectivity from BGP routing tables

Barford, P., see Gast, J.

Bar-Noy, A., V. Dreizin and B. Patt-Shamir, Efficient algorithms for periodic scheduling

Bhattacharjee, B., see Banerjee, S.

Blondia, C., see De Cleyn, P.

Blondia, C. and I. Stavrakakis, Guest editorial: In memory of Olga Casals

Bu, T., L. Gao and D. Towsley, On characterizing BGP routing table growth

Casares-Giner, V., P. García-Escalante and V. Pla, Evaluation of CELLULAR IP mobility tracking procedures

Cerdá, L., see De Cleyn, P.

Chan, S.-H.G., see He, J.

Chua, K.C., see Tan, S.K.

Clemm, A., see Dini, P.

Conti, M., see Anastasi, G.

Critchlow, D. and N. Zhang, Security enhanced accountable anonymous PKI certificates for mobile e-commerce

Crowcroft, J., see Gevros, P.

De Cleyn, P., N. Van den Wijngaert, L. Cerdá and C. Blondia, A smooth handoff scheme using IEEE802.11 triggers—design and implementation

de Moraes Cordeiro, C., S. Abhyankar and D.P. Agrawal, Reducing power consumption and enhancing performance by direct slave-to-slave and group communication in Bluetooth WPANs

Deng, R.H., see Ren, K.

Díaz-Verdejo, J.E., see Estévez-Tapiador, J.M.

Dikaiakos, M.D., Intermediary infrastructures for the World Wide Web

Dini, P., A. Clemm, T. Gray, F.J. Lin, L. Logrippo and S. Reiff-Marganiec, Policy-enabled mechanisms for feature interactions: reality, expectations, challenges

Dominguez, M.Á., see Maríño, P.

Dreizin, V., see Bar-Noy, A.

El Azouzi, R., see Altman, E.

Estévez-Tapiador, J.M., P. García-Teodoro and J.E. Díaz-Verdejo, Measuring normality in HTTP traffic for anomaly-based intrusion detection

Fujita, N., Y. Ishikawa, A. Iwata and R. Izmailov, Coarse-grain replica management strategies for dynamic replication of Web contents

Galluccio, L., A. Leonardi and G. Morabito, Tuning transmission power for TCP fairness in next generation wireless networks: an analytical paradigm

Gao, L., see Bu, T.

Gao, Y., see He, G.

García-Escalante, P., see Casares-Giner, V.

García-Teodoro, P., see Estévez-Tapiador, J.M.

García-Vidal, J., see Barceló, J.M.

Gast, J. and P. Barford, Representing the Internet as a succinct forest (1) 35

GauthierDickey, C., see Zappala, D.

Gevros, P. and J. Crowcroft, Distributed resource management with heterogeneous linear controls (6) 835

Goguen, H.H., see Zave, P.

Gray, T., see Dini, P.

Gregori, E., see Anastasi, G.

Harrison, D., Y. Xia, S. Kalyanaraman and A. Venkatesan, An accumulation-based, closed-loop scheme for expected minimum rate and weighted rate services (6) 801

He, G., Y. Gao, J.C. Hou and K. Park, A case for exploiting self-similarity of network traffic in TCP congestion control (6) 743

He, J. and S.-H.G. Chan, TCP and UDP performance for Internet over optical packet-switched networks (4) 505

Hofmann, M., R. Kravets and J.D. Touch, Guest editorial: The Global Internet (1) 1

Hou, J.C., see He, G.

Ishikawa, Y., see Fujita, N.

Iwata, A., see Fujita, N.

Izmailov, R., see Fujita, N.

Jiménez, T., see Altman, E.

Kalyanaraman, S., see Harrison, D.

Kikuno, T., see Nakamura, M.

Kim, K., see Ren, K.

Kommareddy, C., see Banerjee, S.

Kravets, R., see Hofmann, M.

Kuo, T.-W., see Lo, S.-W.

Kwok, Y.-K., see Shek, L.L.-Y.

Lai, C., see Zhang, C.N.

Lam, K.-Y., see Lo, S.-W.

Leelaprute, P., see Nakamura, M.

Leonardi, A., see Galluccio, L.

Li, G.-H., see Lo, S.-W.

Li, T., see Ren, K.

Lin, F.J., see Dini, P.

Liu, L. and Y. Lu, Dynamic traffic controls for Web-server networks (4) 523

Lo, S.-W., T.-W. Kuo, K.-Y. Lam and G.-H. Li, Efficient location area planning for cellular networks with hierarchical location databases (6) 715

Lo, V., see Zappala, D.

Logrippo, L., see Amyot, D.

Logrippo, L., see Dini, P.

Lu, Y., see Liu, L.

Madhyastha, H.V. and C. Siva Ram Murthy, Efficient dynamic traffic grooming in service-differentiated WDM mesh networks (2) 221

Mariño, P., M.Á. Domínguez, F. Poza and F. Vázquez, Using LOTOS in the specification of industrial bus communication protocols (6) 767

Matsumoto, K.-i., see Nakamura, M.

Metzger, A., Feature interactions in embedded control systems (5) 625

Mohan, G., see Tan, S.K.

Morabito, G., see Galluccio, L.

Motwani, R., see Psounis, K.

Nakamura, M., P. Leelaprute, K.-i. Matsumoto and T. Kikuno, On detecting feature interactions in the programmable service environment of Internet telephony (5) 605

Ngin, H.-T. and C.-K. Tham, Scaled time priority: an efficient approximation to waiting time priority (4) 449

Nieto-Hipólito, J.I., see Barceló, J.M.

Park, K., see He, G.

Passarella, A., see Anastasi, G.

Patt-Shamir, B., see Bar-Noy, A.

Perros, H., see Washington, A.N.

Pla, V., see Casares-Giner, V.

Poza, F., see Mariño, P.

Prabhakar, B., see Psounis, K.

Psounis, K., A. Zhu, B. Prabhakar and R. Motwani, Modeling correlations in web traces and implications for designing replacement policies (4) 379

Reiff-Marganic, S., see Dini, P.

Reiff-Marganic, S. and K.J. Turner, Feature interaction in policies (5) 569

Ren, K., T. Li, Z. Wan, F. Bao, R.H. Deng and K. Kim, Highly reliable trust establishment scheme in ad hoc networks (6) 687

Roberts, J.W., A survey on statistical bandwidth sharing (3) 319

Rudin, H., see Akyildiz, I.F.

Sethi, A.S., see Steinder, M.

Shek, L.L.-Y. and Y.-K. Kwok, An integrated approach to scatter traffic management in Bluetooth ad hoc networks (2) 99

Shin, H.-Y. and J.-L.C. Wu, The study of dynamic multi-channel scheme with channel de-allocation in wireless networks (4) 463

Shuai, D. and H. Zhao, A new generalized cellular automata approach to optimization of fast packet switching (4) 399

Siva Ram Murthy, C., see Madhyastha, H.V.

Smith, T.M., see Zave, P.

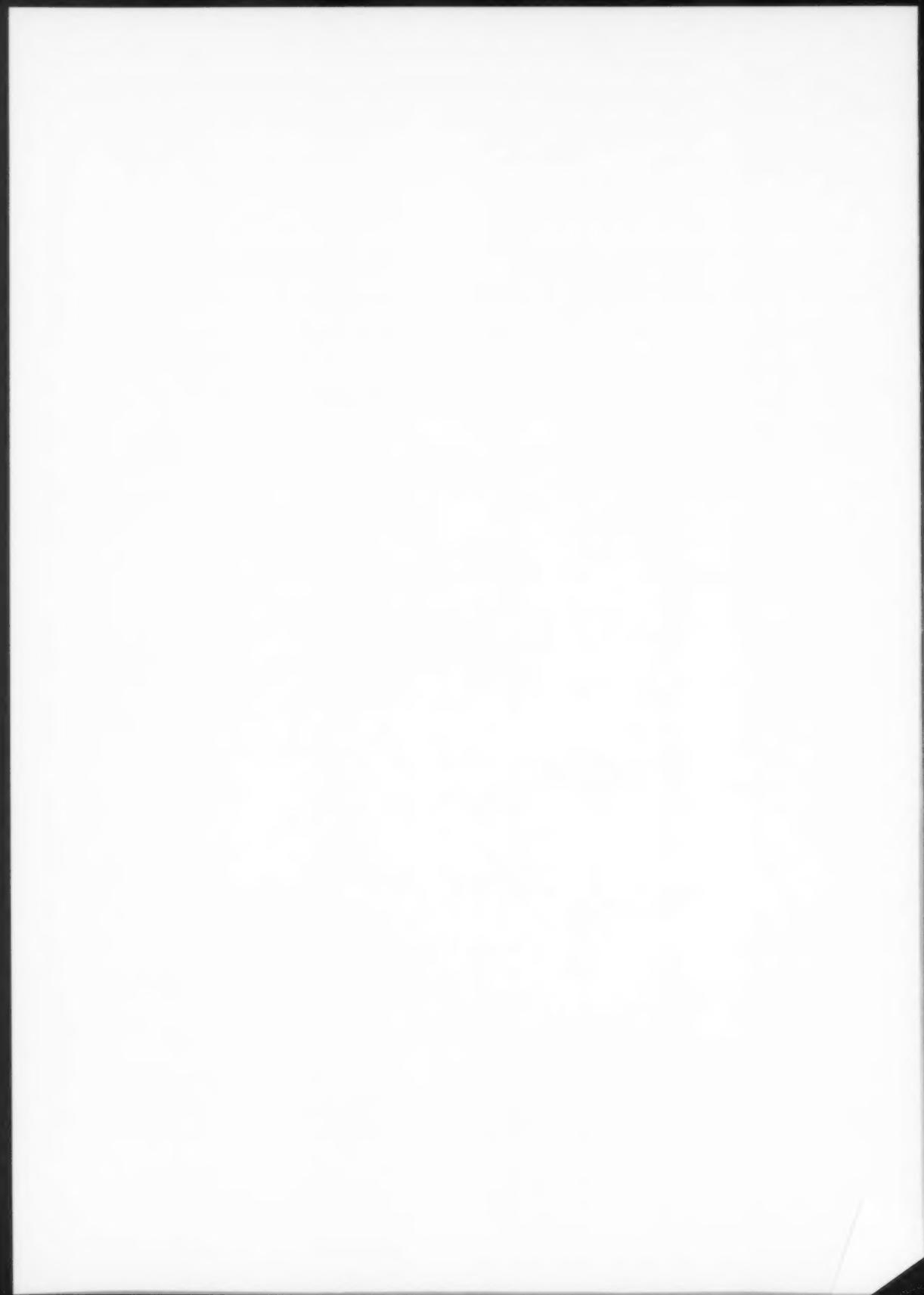
Spinellis, D., see Vlachos, V.

Stavrakakis, I., see Balaouras, P.

Stavrakakis, I., see Blondia, C.

Steinder, M. and A.S. Sethi, Probabilistic fault diagnosis in communication systems through incremental hypothesis updating (4) 537

Tan, S.K., G. Mohan and K.C. Chua, Link scheduling state information based offset management for fairness improvement in WDM optical burst switching networks	Wang, L., A. Agarwal and J.W. Atwood, Modelling and verification of interworking between SIP and H.323	(2) 77
Tham, C.-K., <i>see</i> Ngan, H.-T.	Washington, A.N. and H. Perros, Call blocking probabilities in a traffic-groomed tandem optical network	(3) 281
Touch, J.D., <i>see</i> Hofmann, M.	Wu, J.-L.C., <i>see</i> Shin, H.-Y.	(4) 463
Towsley, D., <i>see</i> Bu, T.	Xia, Y., <i>see</i> Harrison, D.	(6) 801
Turner, K.J., Analysing interactive voice services	Zappala, D., V. Lo and C. GauthierDickey, The multicast address allocation problem: theory and practice	
Turner, K.J., <i>see</i> Reiff-Marganiec, S.	Zave, P., H.H. Goguen and T.M. Smith, Component coordination: a telecommunication case study	(1) 55
Van den Wijngaert, N., <i>see</i> De Cleyn, P.	Zhang, C.N. and C. Lai, A systematic approach for encryption and authentication with fault tolerance	(5) 645
Vázquez, F., <i>see</i> Mariño, P.	Zhang, N., <i>see</i> Critchlow, D.	(2) 143
Venkatesan, A., <i>see</i> Harrison, D.	Zhao, H., <i>see</i> Shuai, D.	(4) 483
Vlachos, V., S. Androulcellis-Theotokis and D. Spinellis, Security applications of peer-to-peer networks	Zhou, H., <i>see</i> Wang, J.	(4) 399
Vuran, M.C., Ö.B. Akan and I.F. Akyildiz, Spatio-temporal correlation: theory and applications for wireless sensor networks	Zhou, M., <i>see</i> Wang, J.	(6) 731
Wan, Z., <i>see</i> Ren, K.	Zhu, A., <i>see</i> Psounis, K.	(4) 379
Wang, J., M. Zhou and H. Zhou, Clock synchronization for Internet measurements: a clustering algorithm		





ELSEVIER

Available online at www.sciencedirect.com

SCIENCE @ DIRECT®

Computer Networks 45 (2004) 863–865

COMPUTER
NETWORKS

www.elsevier.com/locate/comnet

Subject Index Volume 45

Ad hoc networks, 99, 687
Address allocation, 55
Admission control, 319
AI/MD, 363
Analytical models, 295
Anomaly detection, 175
Anonymity, 483
Anti-virus, 195
Application-level intrusion detection, 175
Authentication, 143
Autonomous system clustering, 35
Autonomous system relationships, 35

Balanced fairness, 319
BGP, 45
BGP routing tables, 333
Blocking probability, 463
Bluetooth, 99, 119
Border gateway protocol, 35
Broadcast disks, 155
Burst dropping performance, 819

Call blocking probabilities, 281
Call processing language, 605
CDMA, 207
Cellular neural network, 399
Channel de-allocation, 463
Clock dynamics, 731
Computer and network security, 175
Computer networks, 399
Congestion control, 363, 743
Customer utility, 523

Decomposition algorithm, 281
Deflection routing, 505
Differentiated QoS, 505
Differentiated services, 449, 801
Digital signature, 143
Direct slave-to-slave communication, 119
Distributed feature composition, 645
Distributed trust model, 687
Download time, 19
Dropping probability, 463

Dynamic channel allocation, 463
Dynamic replication, 19

E-commerce, 483
Edge services, 421
Elastic flows, 363
Elastic traffic, 319
Embedded system, 625
Encryption, 143
Error correction, 143
Event correlation, 537

Fair scheduling, 155
Fairness, 207, 505, 819
Fast packet switching, 36
Fault localization, 537
Fault tolerance, 143
Feature, 665
Feature interactions, 569, 585, 605, 625, 645
Fieldbuses, 767
Formal description techniques (FDTs), 767
Formalisms, 585

Generalized cellular automata, 399
Grooming architecture, 221
Group communication, 5
Guard channel, 463

H.323, 77
Handoff, 345, 463
Hierarchical round robin, 155
Hierarchy, 5
HTTP attacks, 175

IEEE802.11, 345
Ingress buffering, 505
Intermediary systems, 421
Internet, 55, 483
Internet routing, 35, 45
Internet telephony, 605
Internet topology, 35, 333
Internet traffic theory, 319
Interworking, 77

Intrusion detection, 195
 IP networks, 261
 IVR (Interactive Voice Response), 665

JXTA, 195

Location area planning, 715
 Location management, 261, 715
 Location updates, 715
 Long-range dependent (LRD), 743
 LOTOS (Language Of Temporal Ordering Specification), 665, 767

MAC protocol, 245
 Markov chain, 701
 MDP, 523
 Mobile Internet, 295
 Mobile IP, 345
 Mobility management, 261
 Multi-rate Erlang loss network, 281
 Multicast, 55, 119
 Multimedia, 363

Nash equilibrium, 701
 Network measurements, 731
 Next generation wireless networks, 207

One-way metrics, 731
 Optical burst switching, 819
 Optical Internet, 505
 Optical networks, 281
 Optical packet-switched networks, 505
 Optimization-based congestion control, 801
 Overlays, 5

Packet aggregation, 505
 Packet switching networks, 261
 Paging, 261
 PCS, 715
 Peer location, 5
 Peer-to-peer, 195
 Performance analysis, 379
 Performance evaluation, 119
 Periodic scheduling, 155
 Personal mobility, 645
 Personalized and mobile services, 421
 Pervasive, 99
 Piconet, 119
 Policies, 569, 585
 Policy conflict, 569
 Power consumption, 119
 Power management, 207
 Power saving, 295
 Power-laws, 333
 Pricing, 701

Privacy, 483
 Probabilistic reasoning, 537
 Processor sharing, 319
 Proportional delay, 449
 Proxy servers, 421

QoS, 523
 Quality of service (QoS), 119, 449, 801

Rate adaptation schemes, 363
 Replacement schemes, 379
 Replica management, 19
 Request sequence model, 379
 Requirements engineering, 625
 Rerouting, 221
 Reward-based admission, 523
 Route-update management, 261
 Routing, 99
 Routing control, 523

Scalability, 19
 Scatternet, 99, 119
 Scheduling, 819
 Security, 483, 687
 Segmented backup, 221
 Self-similar, 743
 Semantic warnings, 605
 Service, 665
 Service bundling, 585
 Service provisioning, 585
 Service-differentiation, 221
 Set covering, 715
 SIP, 77
 Slotted Aloha, 701
 Small-world networks, 333
 Spatial correlation, 245
 Survivability, 221

TCP, 207, 505
 Telecommunications features, 585
 Temporal correlation, 245
 Time series segmentation, 731
 Time-slot scheduling, 99
 Traceroute, 35
 Traffic grooming, 221, 281
 Transport protocol, 245
 Triangle inequality, 5
 Trust management, 687

UDP, 505
 URL rewriting, 19

Validation, 767
 VOCAL, 605
 Voice over IP, 77, 645

VoiceXML (Voice eXtensible Markup Language), 665
VoIP, 605

Wavelength division multiplexing, 819
WDM optical mesh network, 221

Web, 295
Web caching, 379
Web server, 523
Web traces, 379

Wi-Fi, 295
Wireless access network, 345
Wireless networks, 261
Wireless sensor networks, 245
World Wide Web, 421
WorldFIP, 767

XML, 605



